

S/N Unknown

PATENT

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant: Michael J. Lyden
Serial No.: Unknown
Filed: Herewith
Title: METHOD FOR MONITORING END OF LIFE FOR BATTERY

Examiner: Unknown
Group Art Unit: Unknown
Docket: 279.056US4

INFORMATION DISCLOSURE STATEMENT

Mail Stop Patent Application
Commissioner for Patents
P.O.Box 1450
Alexandria, VA 22313-1450

In compliance with the duty imposed by 37 C.F.R. § 1.56, and in accordance with 37 C.F.R. §§ 1.97 *et. seq.*, the enclosed materials are brought to the attention of the Examiner for consideration in connection with the above-identified patent application. Applicant respectfully requests that this Information Disclosure Statement be entered and the documents listed on the attached Form 1449 be considered by the Examiner and made of record. Pursuant to the provisions of MPEP 609, Applicant requests that a copy of the 1449 form, initialed as being considered by the Examiner, be returned to the Applicant with the next official communication.

Pursuant to 37 C.F.R. §1.98(d), copies of the listed documents are not provided as these references were previously cited by or submitted to the U.S. Patent Office in connection with Applicant's prior U.S. application, Serial No. 10/093,141, filed on March 06, 2002, which is relied upon for an earlier filing date under 35 U.S.C. §120. The Examiner is invited to contact the Applicant's Representative at the below-listed telephone number if there are any questions regarding this communication.

Respectfully submitted,

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"Express Mail" mailing label number: EV332571166US

Date of Deposit: July 31, 2003

This paper or fee is being deposited on the date indicated above with the United States Postal Service pursuant to 37 CFR 1.10, and is addressed to the Mail Stop Patent Application, Commissioner for Patents, P.O.Box 1450, Alexandria, VA 22313-1450.

<p>Substitute for form 1449A/PTO INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Use as many sheets as necessary)</p>		<i>Complete if Known</i>	
		Application Number	Unknown
		Filing Date	Even Date Herewith
		First Named Inventor	Lyden, Michael
		Group Art Unit	Unknown
		Examiner Name	Unknown
Sheet 1 of 2		Attorney Docket No: 279.056US4	

US PATENT DOCUMENTS

Examiner Initial *	USP Document Number	Publication Date	Name of Patentee or Applicant of cited Document	Class	Subclass	Filing Date If Appropriate
	US-3,103,617	09/10/1963	Schneider, R., et al.	323	22	05/06/1958
	US-3,300,658	01/24/1967	Slusher, William E.	307	88.5	07/02/1964
	US-4,031,899	06/28/1977	Renirie, Alexis C.	128	419	01/22/1976
	US-4,134,408	01/16/1979	Brownlee, R., et al.	128	419 PG	11/12/1976
	US-4,259,639	03/31/1981	Renirie, Alexix C.	324	430	11/03/1978
	US-4,290,429	09/22/1981	Blaser, Reinhard	128	419PT	03/31/1980
	US-4,323,075	04/06/1982	Langer, A. A.	128	419	07/02/1979
	US-4,345,604	08/24/1982	Renirie, A. M.	128	419	07/21/1980
	US-4,408,607	10/11/1983	Maurer, Donald D.	128	419R	04/13/1981
	US-4,548,209	10/22/1985	Wielders, P.E., et al.	128	419	02/06/1984
	US-4,606,350	08/19/1986	Frost, John G.	128	419PG	11/28/1984
	US-4,659,994	04/21/1987	Poljak, Mark D.	324	426	08/12/1985
	US-4,672,973	06/16/1987	Hofke, Fred	128	665	08/20/1985
	US-4,709,202	11/24/1987	Koenck, S. E., et al.	320	43	06/19/1986
	US-4,830,006	05/16/1989	Haluska, E. A., et al.	607	4	06/17/1986
	US-4,868,908	09/19/1989	Pless, B., et al.	323	267	10/18/1988
	US-4,873,490	10/10/1989	Hecht, Hans, et al.	328	3	03/19/1987
	US-4,952,864	08/28/1990	Pless, B., et al.	323	299	06/01/1989
	US-4,958,641	09/25/1990	Digby, D., et al.	600	515	03/10/1989
	US-5,030,849	07/09/1991	Brokaw, A. P.	307	310	06/30/1989
	US-5,083,562	01/28/1992	De Coriolis, P., et al.	128	419	08/28/1900
	US-5,137,021	08/11/1992	Wayne, D. A., et al.	128	419PT	11/29/1990
	US-5,159,520	10/27/1992	Toyooka, T., et al.	361	103	08/01/1991
	US-5,184,616	02/09/1993	Weiss, S. M.	128	419	10/21/1991
	US-5,265,588	11/30/1993	Nelson, G. E.	607	5	01/15/1992
	US-5,285,779	02/15/1994	Cameron, D. B., et al.	607	5	03/27/1992
	US-5,323,068	06/21/1994	Freitas, Oscar W.	307	455	11/17/1992
	US-5,391,193	02/21/1995	Thompson, David L.	607	29	02/05/1993
	US-5,424,683	06/13/1995	Takahashi, Yoshiaki	330	255	03/16/1994
	US-5,447,522	09/05/1995	Chang, et al.	607	7	10/23/1990
	US-5,458,624	10/17/1995	Renirie, W. C., et al.	607	29	10/06/1993
	US-5,488,553	01/30/1996	Renger, H. J.	363	21	12/15/1993
	US-5,527,630	06/18/1996	Nagata, T., et al.	429	7	03/23/1994
	US-5,528,087	06/18/1996	Sibata, Y., et al.	307	66	04/20/1993
	US-5,596,987	01/28/1997	Chance, Britton	128	633	01/03/1995
	US-5,675,258	10/07/1997	Kadouchi, Eiji , et al.	324	433	11/06/1995
	US-5,690,685	11/25/1997	Kroll, et al.	607	5	
	US-5,700,280	12/23/1997	Silvian	607	5	05/03/1996
	US-5,741,307	04/21/1998	Kroll, Mark W.	607	5	01/21/1997
	US-5,772,689	06/30/1998	Kroll, Mark W.	607	4	12/03/1996

EXAMINER

DATE CONSIDERED

Substitute for form 1449A/PTO

**INFORMATION DISCLOSURE
STATEMENT BY APPLICANT**
(Use as many sheets as necessary)

Complete if Known

Application Number	Unknown
Filing Date	Even Date Herewith
First Named Inventor	Lyden, Michael
Group Art Unit	Unknown
Examiner Name	Unknown

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US-5,779,631	07/14/1998	Chance, Britton	600	328	06/07/1995
US-5,812,383	09/22/1998	Majid, et al.	363	21	07/31/1997
US-5,869,970	02/09/1999	Palm, W. A., et al.	324	433	10/31/1995
US-5,959,371	09/28/1999	Dooley, M. W., et al.	307	130	11/12/1998
US-6,018,227	01/25/2000	Kumar, Y., et al.	320	106	06/22/1998
US-6,108,579	08/22/2000	Snell, J., et al.	607	29	04/11/1997
US-6,167,309	12/26/2000	Lyden, M. J.	607	29	09/15/1997

FOREIGN PATENT DOCUMENTS

Examiner Initials*	Foreign Document No	Publication Date	Name of Patentee or Applicant of cited Document	Class	Subclass	T ²
	EP-0739645	10/30/1996	Koopman, Jan			

OTHER DOCUMENTS -- NON PATENT LITERATURE DOCUMENTS

Examiner Initials*	Cite No ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T ²
		PARSONNET, V., "Cardiac pacing and pacemakers VII. Power sources for implantable pacemakers. Part I.", <u>American Heart Journal</u> , 94 (4), (Oct. 1977), pp. 517-528	
		RYAN, J. G., "A Four Chip Implantable Defibrillator/Pacemaker Chipset", <u>Proceedings of the IEEE 1989 Custom Integrated Circuits Conference</u> , San Diego, CA,(1989),7.6.1-7.6.4	
		SHERMAN, DON , "Measure resistance and capacitance without an A/D", <u>Philips Semiconductors Application Note AN449</u> , Philips Semiconductors, Sunnyvale, CA,(Dec. 1993),pp. 2540-2553	
		TAKEUCHI, E. S., "Energy Storage and Delivery", <u>Implantable Cardioverter Defibrillators: A Comprehensive Textbook</u> , edited by N.A. Mark Estes III et al., (1994),123-132	
		TAKEUCHI, E. S., "Lithium/Silver Vanadium Oxide Batteries for Implantable Defibrillators", <u>PACE</u> , 11, (Nov. 1988),2035-2039	

EXAMINER**DATE CONSIDERED**

Substitute Disclosure Statement Form (PTO-1449)

* EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. 1 Applicant's unique citation designation number (optional) 2 Applicant is to place a check mark here if English language Translation is attached